

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION PURSUANT TO 37 CFR §1.97 & 1.98	Docket Number:	Serial Number:
	4015-5090	101672127
	Applicant:	
	Bottomley, et al.	
Filing Date:		Group:

U. S. PATENT DOCUMENTS

Examiner					Filing Date		
Initial		Patent No.	Date	Name	Class	Subcl	If Approp.
/CO/	A	6,363,104	2002	Bottomley			

FOREIGN PATENT DOCUMENTS

					Translation		
		Patent No.	Date	Name	Class	Subcl	Yes No
/CO/	B	WO 00/70836	2000	Ling et al.			

OTHER DOCUMENTS (including author, title, date, pages, etc.)

/CO/	C	Publ. No. US 2002/0150176 A1; Oct. 17, 2002; Chevalier, et al.; Method and Device for the Estimation of a Propagation Channel From Its Statistics;					
/CO/	D	F. Ling; Optimal Reception, Performance Bound, and Cutoff Rate Analysis of Reference Assisted Coherent CDMA Communications with Applications; IEEE Trans. Commun., vol. 47; pgs. 1583-1592, Oct. 1999.					
/CO/	E	K. Kettunen; Enhanced Maximal Ratio Combining Scheme for RAKE Receivers In WCDMA Mobile Terminals; electronic letters; vol. 37, no. 8; pgs. 522-524; April 12, 2001.					
/CO/	F	J. Choi; Pilot Channel-Aided Techniques to Compute the Beamforming Vector for CDMA Systems with Antenna Array; IEEE Trans. Veh. Technol.; vol. 49, pgs. 1760-1775, Sept. 2000.					
/CO/	G	J.C. Guey, M.P. Fitz, M.R. Bell, and W.Y. Kuo; Signal Design for Transmitter Diversity Wireless Communication Systems over Rayleigh Fading Channels; IEEE Trans. Commun.; vol. 47; pgs. 527-537; April 1999.					
/CO/	H	W.Y. Kuo and M.P. Fitz; Design and Analysis of Transmitter Diversity Using International Frequency Offset for Wireless Communications; IEEE Trans. Veh. Technol.; vol. 46; pgs. 871-881; Nov. 1997.					
/CO/	I	G.E. Bottomley, T. Ottosson, and Y.P.E. Wang; A Generalized RAKE Receiver for Interference Suppression; IEEE J. Sel. Areas Commun.; vol. 18; pgs. 1536-1545 Aug. 2000.					
/CO/	J	R. Price and P.E. Green, Jr.; A Communication Technique For Multipath Channels; Proc. IRE, vol. 46; pgs. 555-570; Mar. 1958.					
/CO/	K	G.L. Turin; Introduction to Antimultipath Techniques and Their Application to Urban Digital Radio; Proc. IEEE, vol. 68; pgs. 328-353; March 1980.					
/CO/	L	G.E. Bottomley, E. Sourour, R. Ramesh, and S. Chennakeshu; Optimizing the Performance of Limited Complexity RAKE Receivers; Proc. 48 th IEEE Veh. Technol. Conf.; Ottawa, Canada, May 18-21, 1998.					

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Docket Number:

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Serial Number:

10/672/27

Applicant:

Bottomley, et al.

Filing Date:

Group:

OTHER DOCUMENTS (Cont'd) (including author, title, date, pages, etc.)

/CO/ | M | K.J. Kim, S.Y. Kwon, E.K. Hong, and K.C. Whang; Effect of Tap Spacing on the
| | Performance of Direct-Sequence Spread-Spectrum RAKE Receiver; IEEE Trans
| | Commun.; vol. 48; pgs. 1029-1036; June 2000.

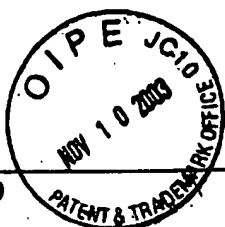
EXAMINER

/Curtis Odom/

DATE CONSIDERED

01/22/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.



Sheet 1 of 1

FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
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37 CFR §1.97 & 1.98**

Docket Number:	Serial Number:
4015-5090	10/672,127
Applicant:	
Bottomley, et al.	
Filing Date:	Group:
September 26, 2003	

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

					Translation		
	Patent No.	Date	Name	Class	Subcl	Yes	No

OTHER DOCUMENTS (including author, title, date, pages, etc.)

/CO/	A	Lenardi, et al.; A RAKE Structured SINR Maximizing Mobile Receiver for the WCDMA Downlink; 2001 IEEE; 6 pgs.
/CO/	B	Lindoff, et al.; Channel Estimation for the W-CDMA System, Performance and Robustness Analysis from a Terminal Perspective; 1999 IEEE; 6 pgs.
/CO/	C	D'Amours, et al.; Comparison of Pilot Symbol-Assisted and Differentially Detected BPSK for DS-CDMA Systems Employing RAKE Receivers in Rayleigh Fading Channels; IEEE Transactions on Vehicular Technology, Vol. 47, No. 4, Nov. 1998; 10 pgs.
/CO/	D	D'Andrea, et al.; Symbol-Aided Channel Estimation With Nonselective Rayleigh Fading Channels; IEEE Transactions on Vehicular Technology, Vol. 44, No. 1; Feb. 1995; 9 pgs.

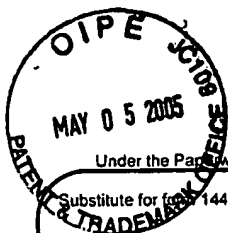
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PTO/SB/08B (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet 1 of 1	Application Number	10/672,127
	Filing Date	September 26, 2003
	First Named Inventor	Bottomley
	Art Unit	2196
	Examiner Name	
Attorney Docket Number		4015-5090

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/CO/	A	Rushforth, "Transmitted-Reference Techniques for Random or Unknown Channels," IEEE Trans. Info. Theory, vol. IT-10, pp. 39-42, Jan. 1964.	
/CO/	B	Walker, "The Error Performance of a Class of Binary Communications Systems in Fading and Noise," IEEE Trans. Commun. Syst., vol. 12, pp. 28-45, Mar. 1964	
/CO/	C	Hingorani et al., "A Transmitted Reference System for Communication in Random or Unknown Channels," IEEE Trans. Commun. Technol. vol. 13, pp. 293-301, Sept. 1965.	
/CO/	D	Stojanovic et al., "Performance of Multiuser Detection with Adaptive Channel Estimation," IEEE Trans. Commun., vol. 47, pp. 1129-1132, Aug. 1999.	

Examiner Signature	/Curtis Odom/	Date Considered	01/22/2008
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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